

# LIGHTNING PROTECTION GROUNDING SUBSYSTEM CHECKLIST FOR EXISTING FACILITIES

For use of this form, see TM 5-690; the proponent agency is COE.

1. FACILITY		2. DATE (YYYYMMDD)	
3. LOCATION		4. INSPECTOR	
5. SKETCH THE LAYOUT OF THE ACTUAL LIGHTNING PROTECTION SUBSYSTEM <i>(Or attach an up-to-date engineering drawing if it exists)</i>			
6. ALL LIGHTNING PROTECTION EQUIPMENT UL LABELED  <input type="checkbox"/> YES <input type="checkbox"/> NO		7. UL MASTER LABEL ISSUED AND PROPERLY ATTACHED TO THE BUILDING  <input type="checkbox"/> YES <input type="checkbox"/> NO	
8. AIR TERMINALS			
8a. HEIGHT		8b. MATERIAL	
8c. SIZE (Diameter)		8d. PROPER BASES/FITTINGS <input type="checkbox"/> YES <input type="checkbox"/> NO	
8e. PROPERLY INSTALLED <input type="checkbox"/> YES <input type="checkbox"/> NO		8f. LOCATED AND SPACED AS SPECIFIED <input type="checkbox"/> YES <input type="checkbox"/> NO	
8g. DOES THE HEIGHT OF AIR TERMINALS PROVIDE PROPER CONE OF PROTECTION <input type="checkbox"/> YES <input type="checkbox"/> NO		8h. PHYSICAL CONDITION	
9. ROOF CONDUCTORS			
9a. TYPE		9b. SIZE	
9c. MATERIAL		9d. BEND RADIUS ACCEPTABLE <input type="checkbox"/> YES <input type="checkbox"/> NO	
9e. SECURELY FASTENED <input type="checkbox"/> YES <input type="checkbox"/> NO		9f. PROPER FITTINGS <input type="checkbox"/> YES <input type="checkbox"/> NO	
9g. PROPERLY BONDED TO AIR TERMINALS AND OTHER METAL OBJECTS ON ROOF <input type="checkbox"/> YES <input type="checkbox"/> NO			
9h. PROPERLY INTERCONNECTED TO OTHER CROSS ROOF CONDUCTORS <input type="checkbox"/> YES <input type="checkbox"/> NO		9i. PHYSICAL CONDITION	
10. DOWN CONDUCTORS			
10a. TYPE		10b. SIZE	
10c. MATERIAL		10d. BEND RADIUS ACCEPTABLE <input type="checkbox"/> YES <input type="checkbox"/> NO	
10e. SECURELY ANCHORED <input type="checkbox"/> YES <input type="checkbox"/> NO		10f. PROPER FITTINGS <input type="checkbox"/> YES <input type="checkbox"/> NO	
10g. LOCATED AND SPACED AS SPECIFIED <input type="checkbox"/> YES <input type="checkbox"/> NO			
10h. PROPERLY BONDED TO ROOF CONDUCTORS/AIR TERMINALS AND GROUNDING ELECTRODES <input type="checkbox"/> YES <input type="checkbox"/> NO			
10i. PHYSICAL CONDITION			
11. GUARDS			
11a. TYPE		11b. SOLIDLY ANCHORED <input type="checkbox"/> YES <input type="checkbox"/> NO	
11c. PHYSICAL CONDITION			
12. GROUNDING ELECTRODES			
12a. TYPE		12b. SIZE	
12c. LENGTH (Each)		12d. FORM COUNTERPOISE LOOP <input type="checkbox"/> YES <input type="checkbox"/> NO	
12e. DISTANCE BELOW GRADE LEVEL		12f. DISTANCE FROM OUTER WALL	
12g. PROPERLY INSTALLED <input type="checkbox"/> YES <input type="checkbox"/> NO			
12h. PROPERLY CONNECTED TO OTHER GROUNDING SYSTEMS OF THE BUILDING <input type="checkbox"/> YES <input type="checkbox"/> NO			
12i. PROPERLY CONNECTED TO DOWN CONDUCTORS <input type="checkbox"/> YES <input type="checkbox"/> NO		12j. GROUND RESISTANCE MEASUREMENT	